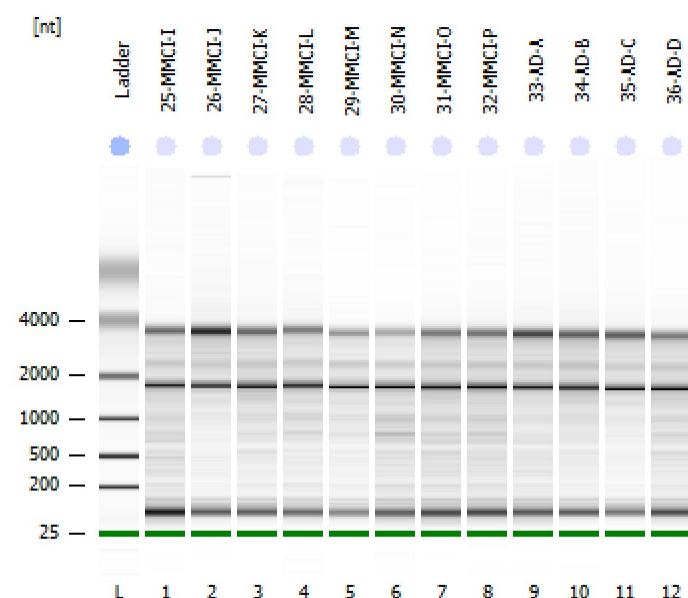


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE54700884 Firmware: C.01.069
Serial#: DE54700884 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

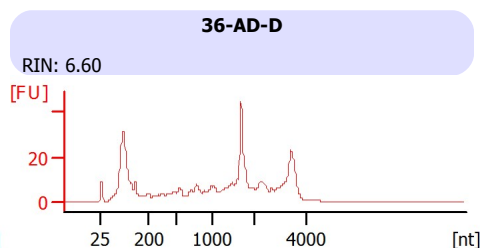
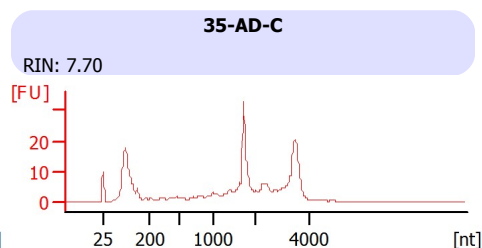
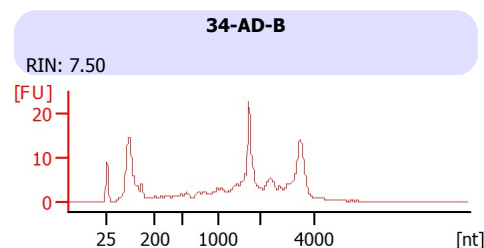
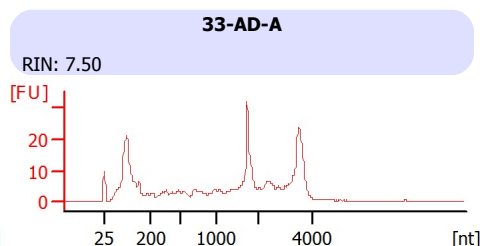
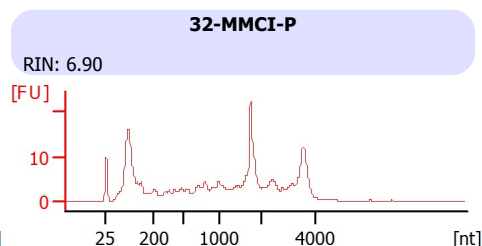
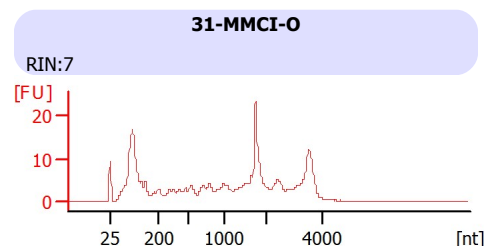
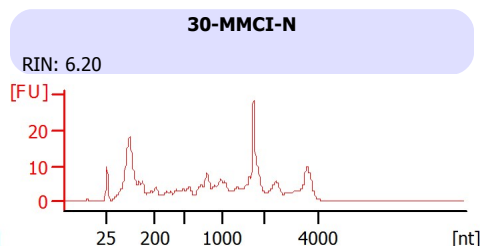
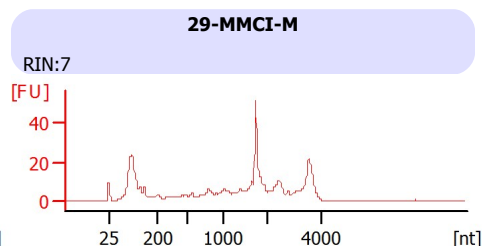
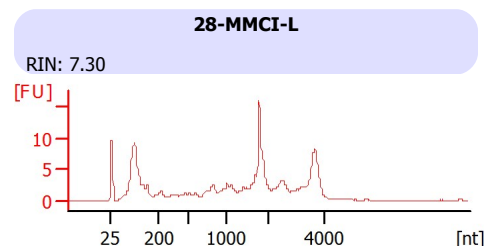
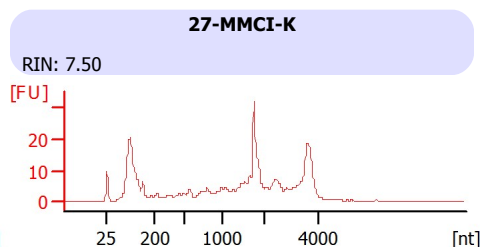
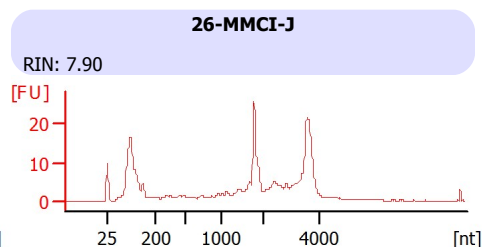
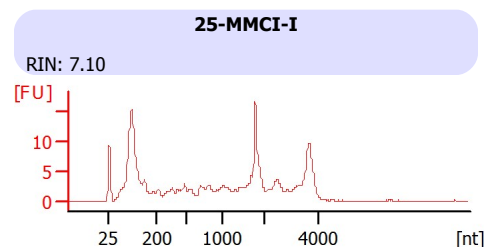
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
25-MMCI-I		✓	RIN: 7.10	
26-MMCI-J		✓	RIN: 7.90	
27-MMCI-K		✓	RIN: 7.50	
28-MMCI-L		✓	RIN: 7.30	
29-MMCI-M		✓	RIN: 7	
30-MMCI-N		✓	RIN: 6.20	
31-MMCI-O		✓	RIN: 7	
32-MMCI-P		✓	RIN: 6.90	
33-AD-A		✓	RIN: 7.50	
34-AD-B		✓	RIN: 7.50	
35-AD-C		✓	RIN: 7.70	
36-AD-D		✓	RIN: 6.60	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : .6
Height Threshold [FU] : .5
Area Threshold : .2
Width Threshold [s] : .5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : .5
Polynomial Order : 4

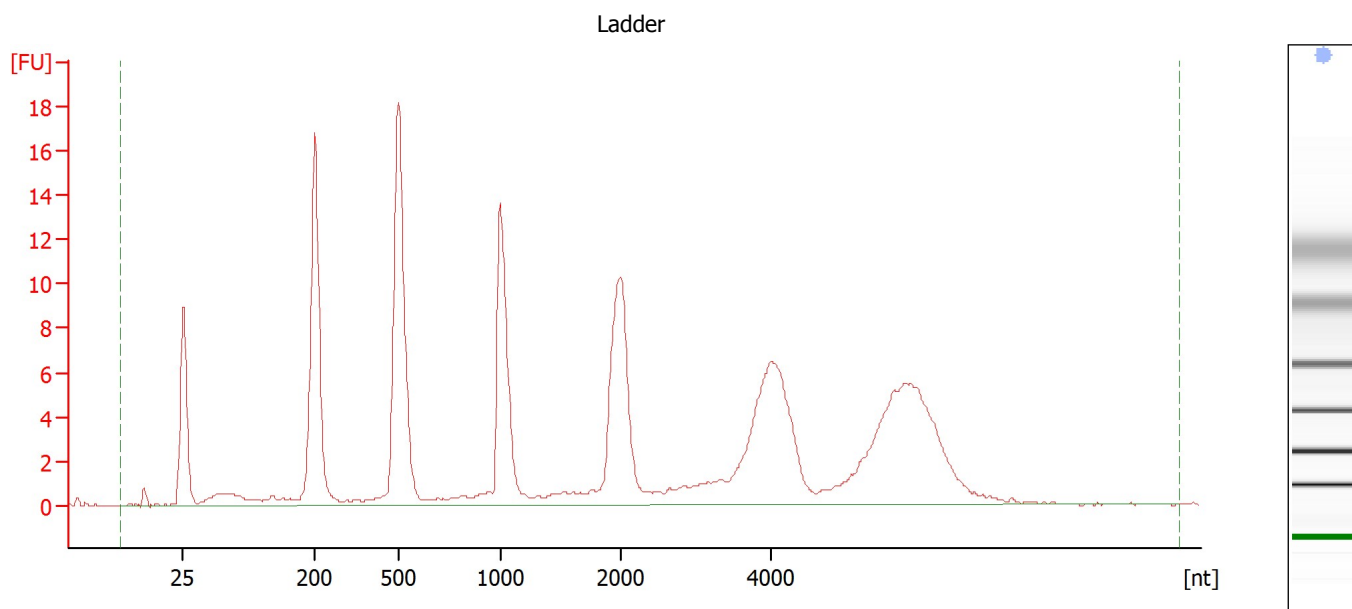
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary



Overall Results for Ladder

RNA Area: 190.1

Result Flagging Color:



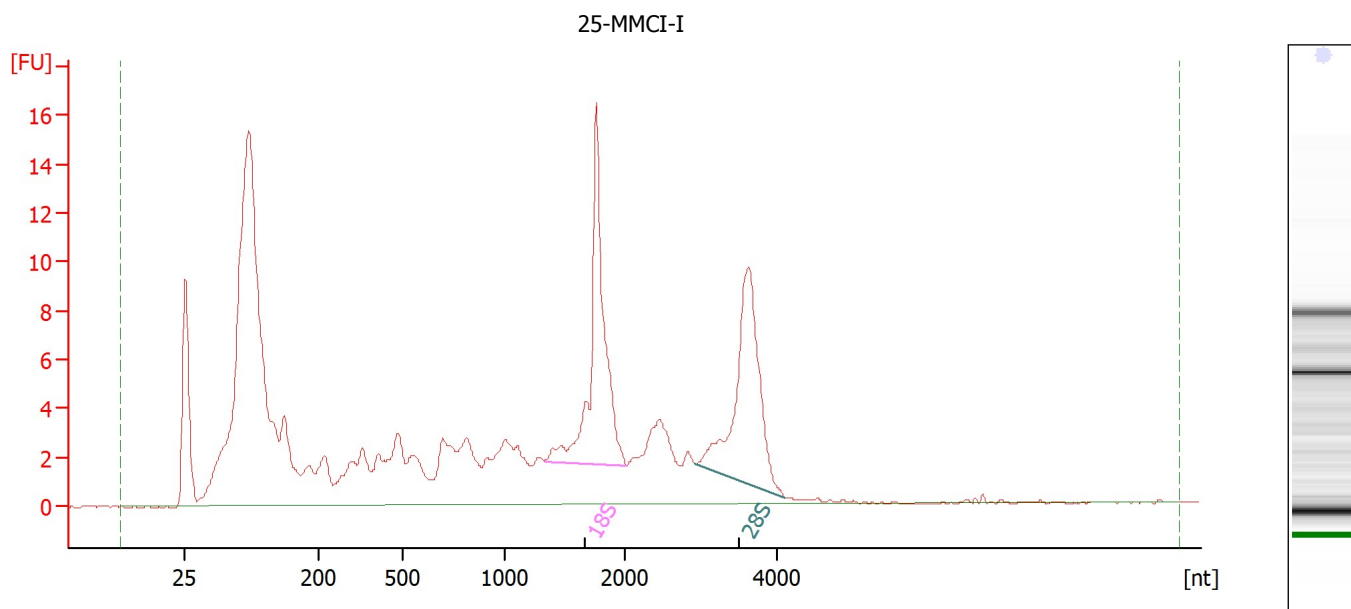
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 1 : 25-MMCI-I**

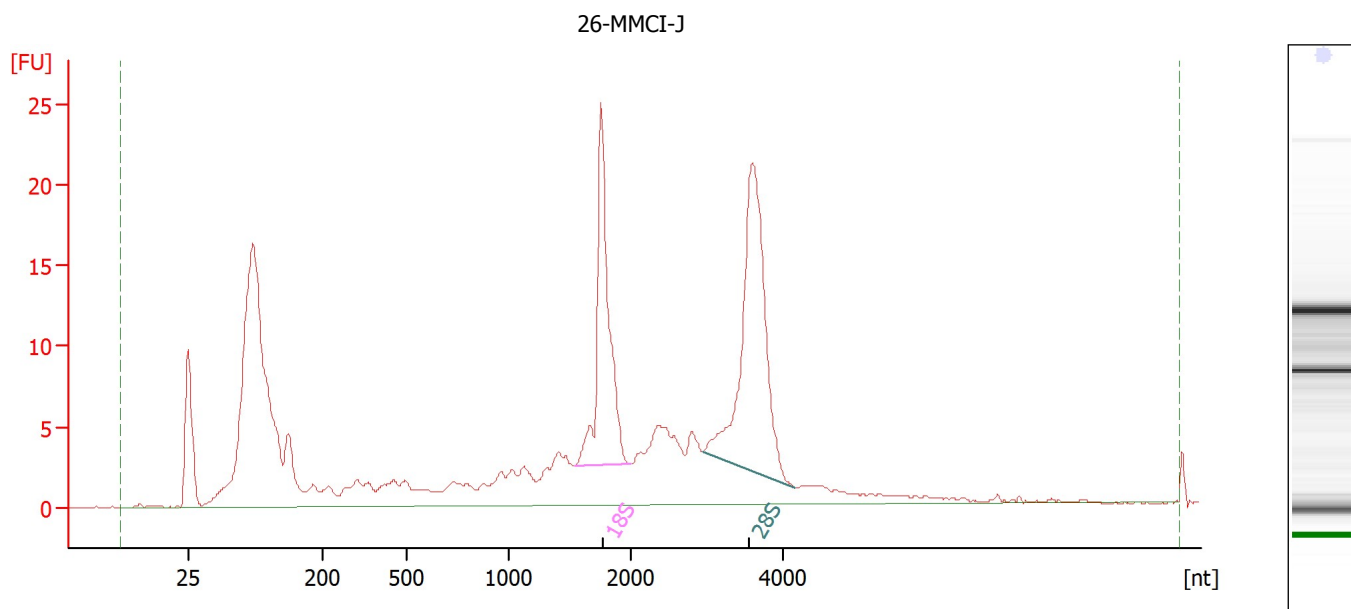
RNA Area:	241.1	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	190 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.9	Result Flagging Label:	RIN: 7.10

Fragment table for sample 1 : 25-MMCI-I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,334	2,030	24.4	10.1
28S	2,941	4,119	23.0	9.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 2 : 26-MMCI-J**

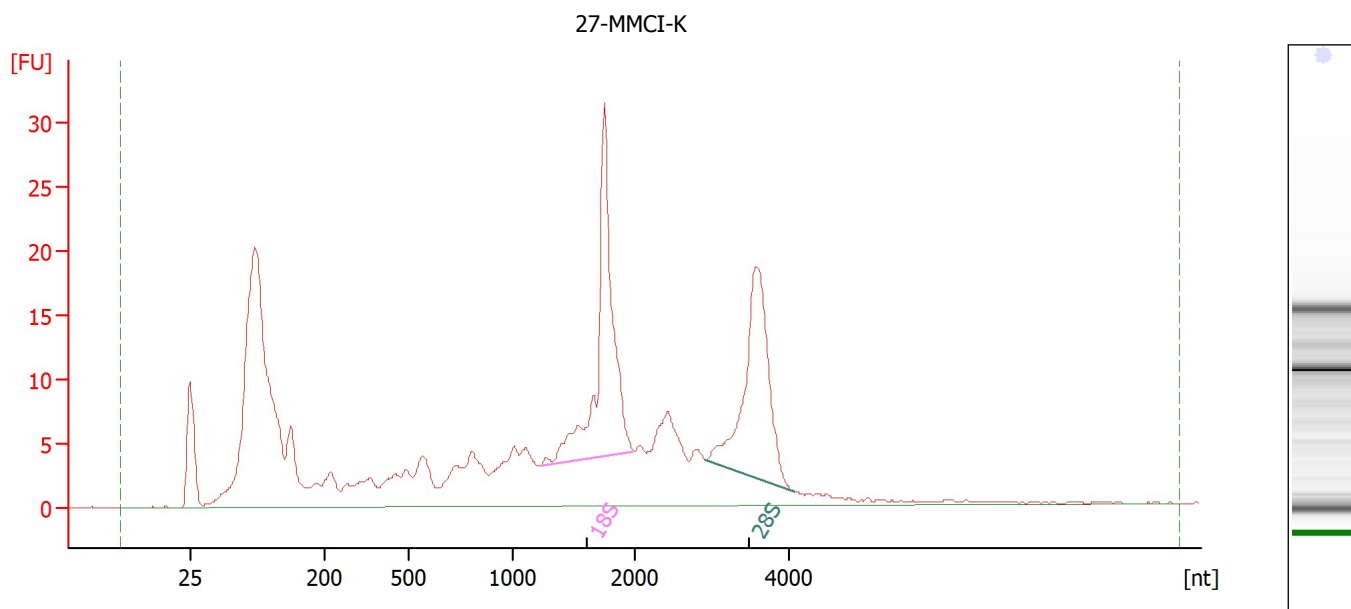
RNA Area:	298.9	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	236 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.90

Fragment table for sample 2 : 26-MMCI-J

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	2,006	32.0	10.7
28S	2,939	4,151	48.7	16.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 3 : 27-MMCI-K**

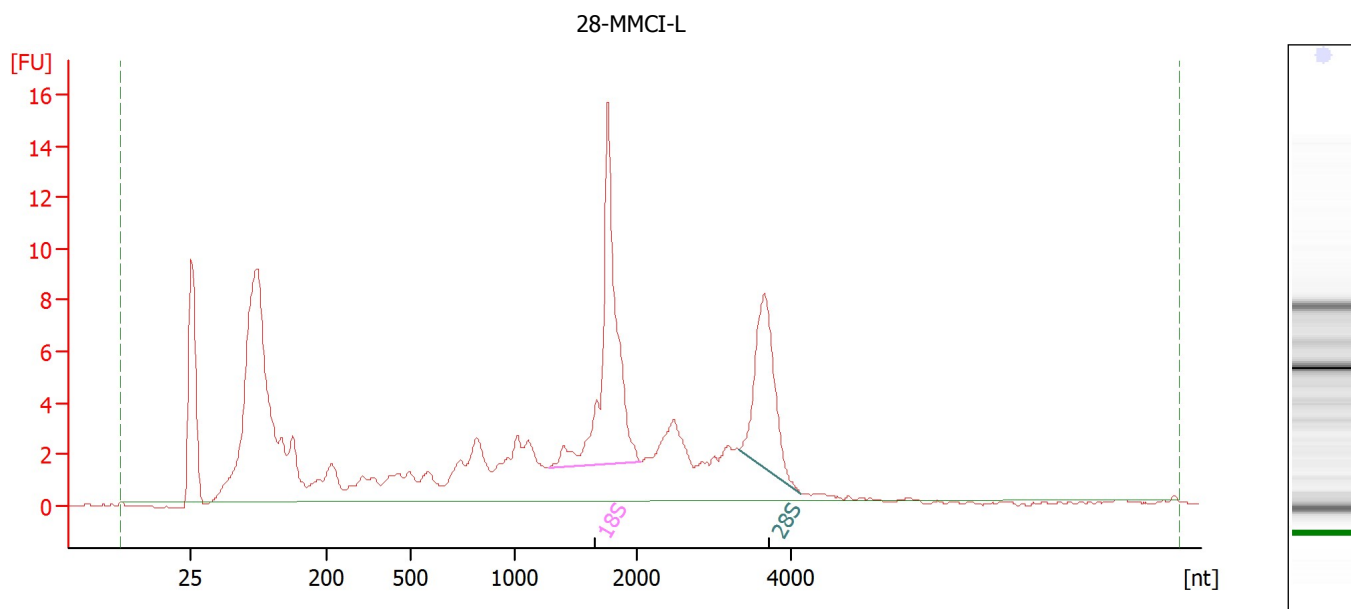
RNA Area:	395.6	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	312 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.50

Fragment table for sample 3 : 27-MMCI-K

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,231	1,996	50.7	12.8
28S	2,923	4,074	43.5	11.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 4 : 28-MMCI-L**

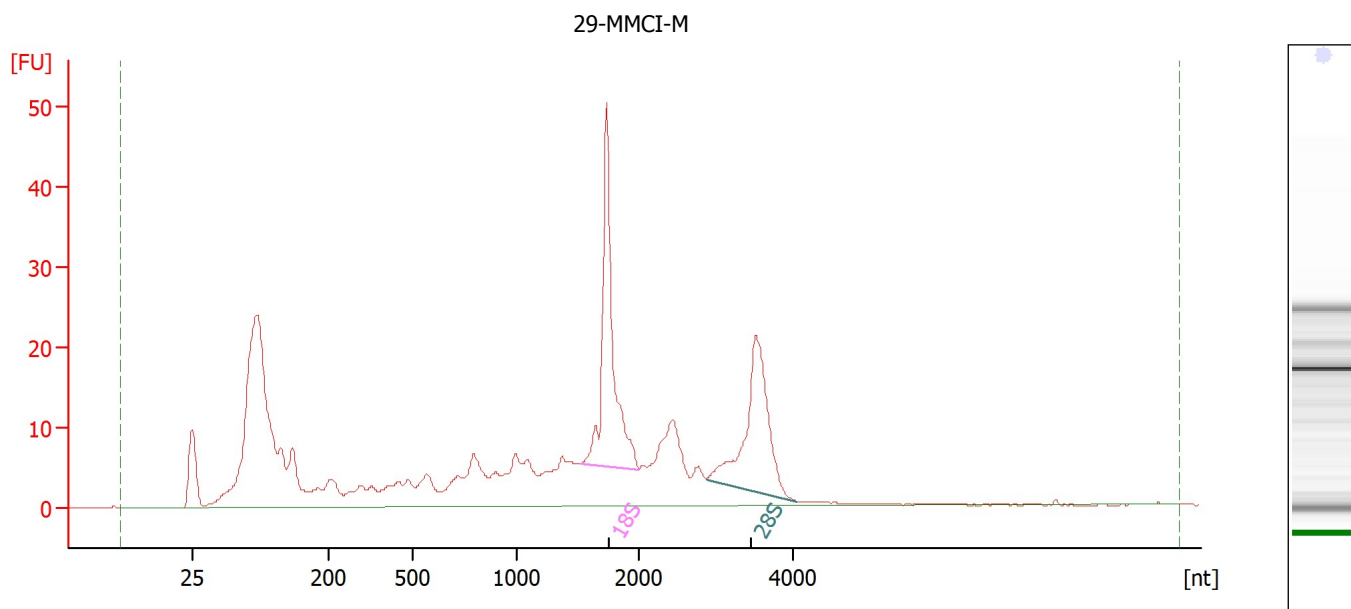
RNA Area:	173.2	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	137 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.30

Fragment table for sample 4 : 28-MMCI-L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,278	2,051	25.2	14.5
28S	3,324	4,126	14.2	8.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
 Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 5 : 29-MMCI-M**

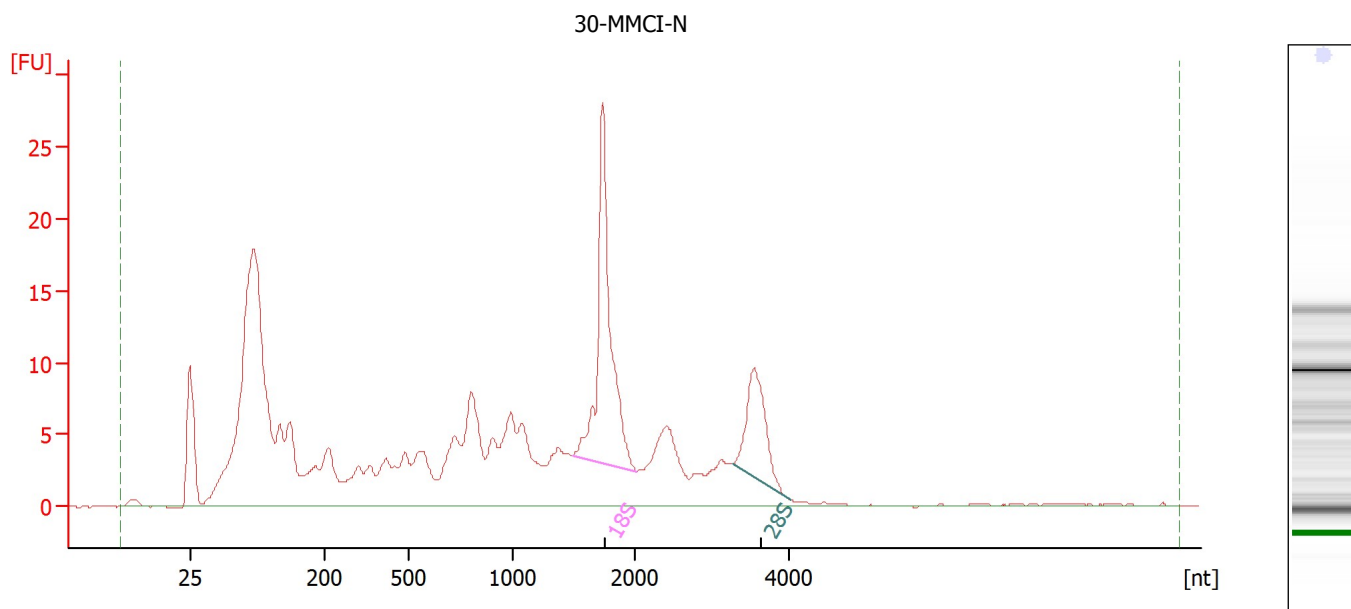
RNA Area:	463.9	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	366 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN:7

Fragment table for sample 5 : 29-MMCI-M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	2,010	58.4	12.6
28S	2,880	4,054	47.5	10.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 6 : 30-MMCI-N**

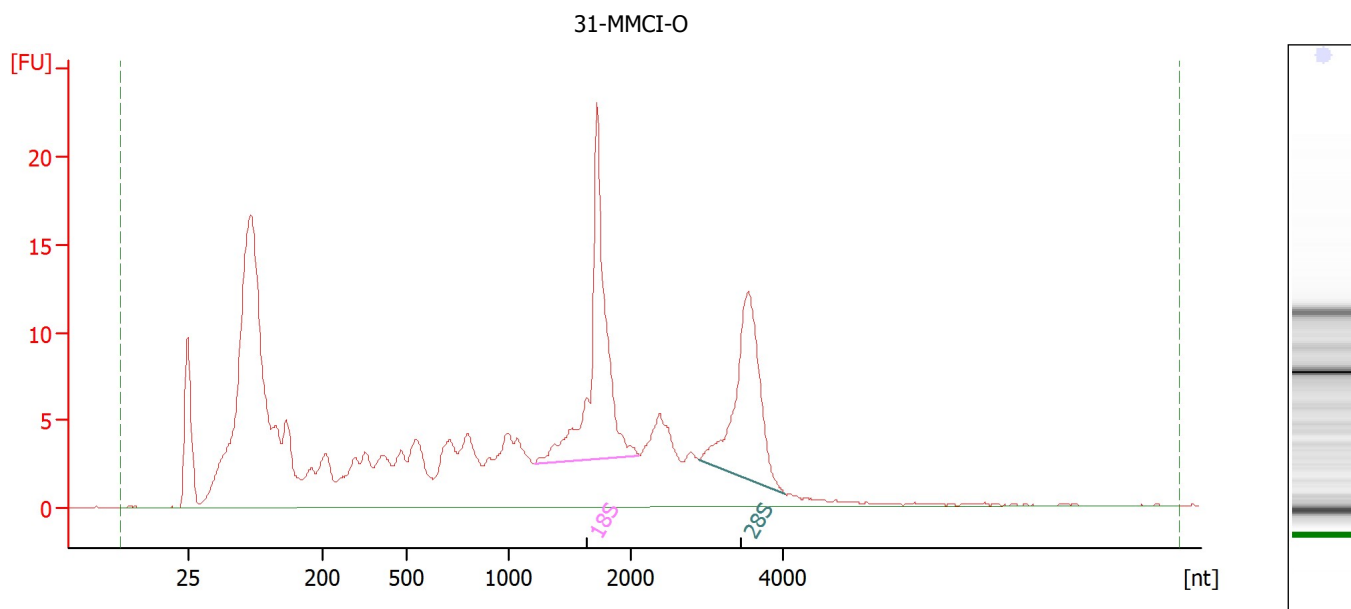
RNA Area:	356.3	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	281 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.20

Fragment table for sample 6 : 30-MMCI-N

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	2,022	38.3	10.7
28S	3,284	4,033	15.9	4.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 7 : 31-MMCI-O**

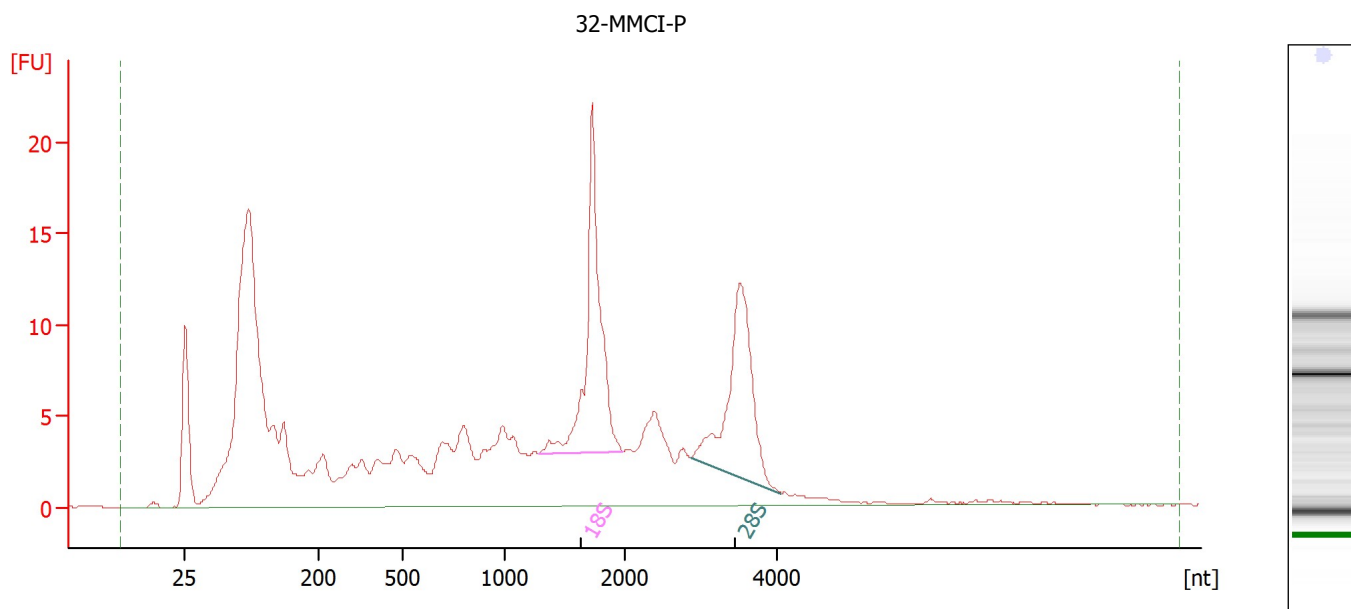
RNA Area:	334.8	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	264 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN:7

Fragment table for sample 7 : 31-MMCI-O

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,209	2,117	37.8	11.3
28S	2,897	4,025	28.7	8.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 8 : 32-MMCI-P**

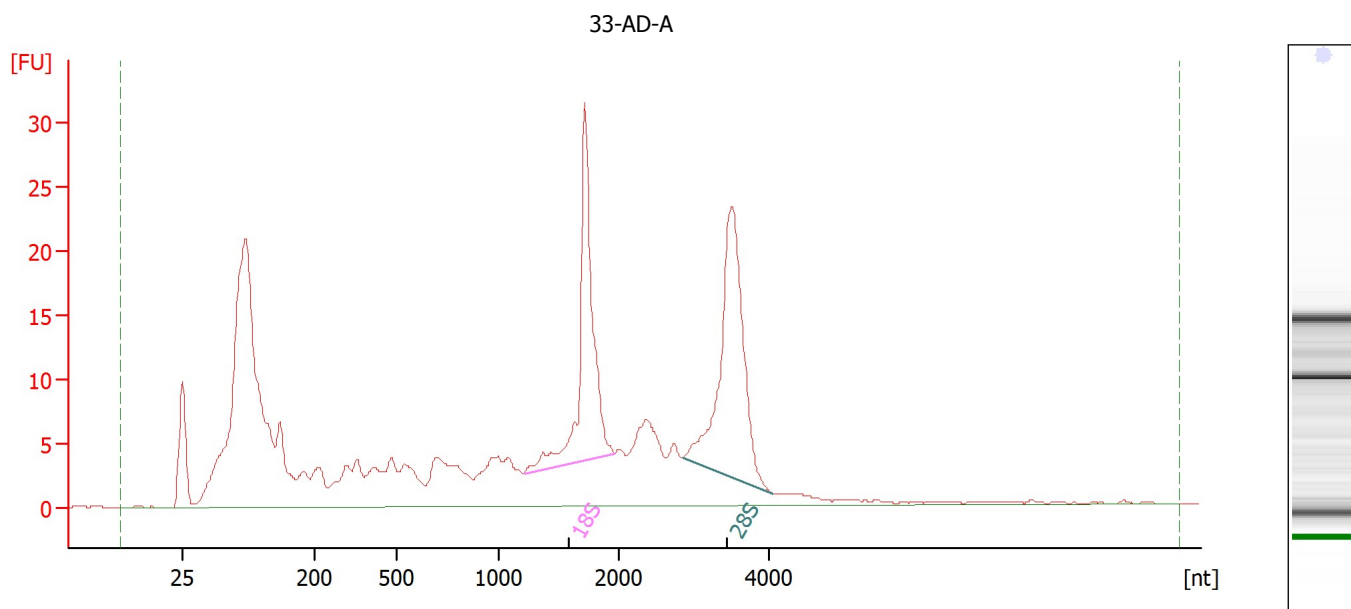
RNA Area:	320.3	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	253 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.9	Result Flagging Label:	RIN: 6.90

Fragment table for sample 8 : 32-MMCI-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,290	1,983	32.4	10.1
28S	2,871	4,063	28.2	8.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 9 : 33-AD-A**

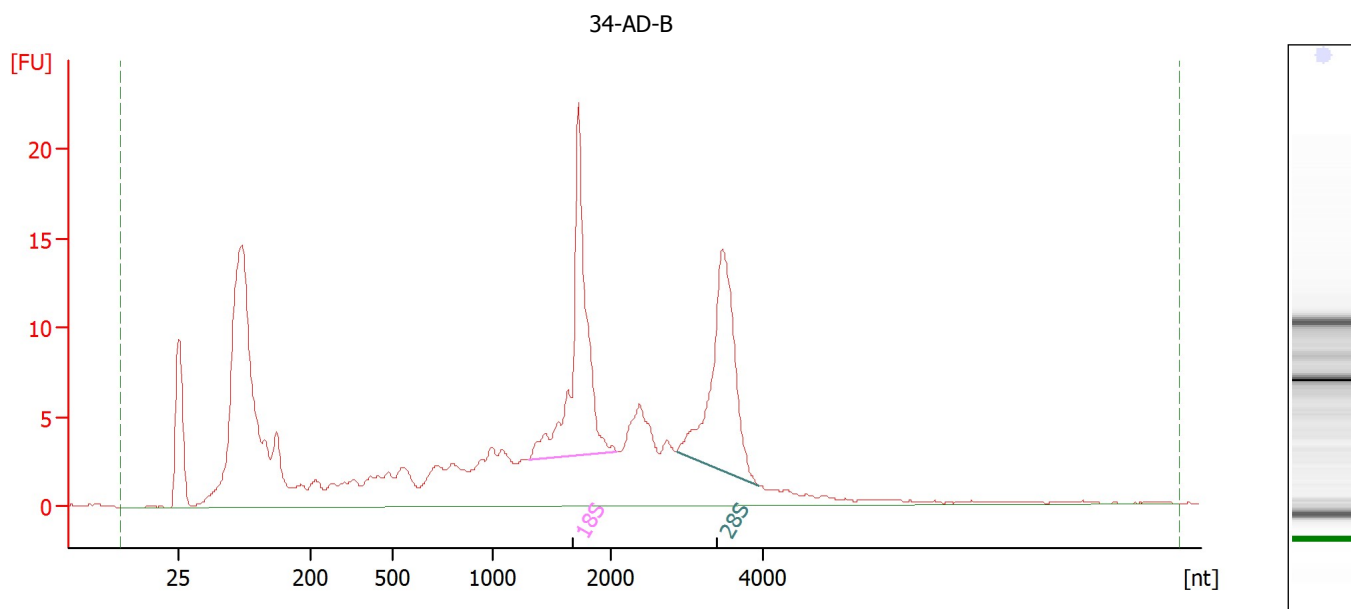
RNA Area:	416.8	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	329 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

Fragment table for sample 9 : 33-AD-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,211	1,981	44.1	10.6
28S	2,845	4,059	54.5	13.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 10 : 34-AD-B**

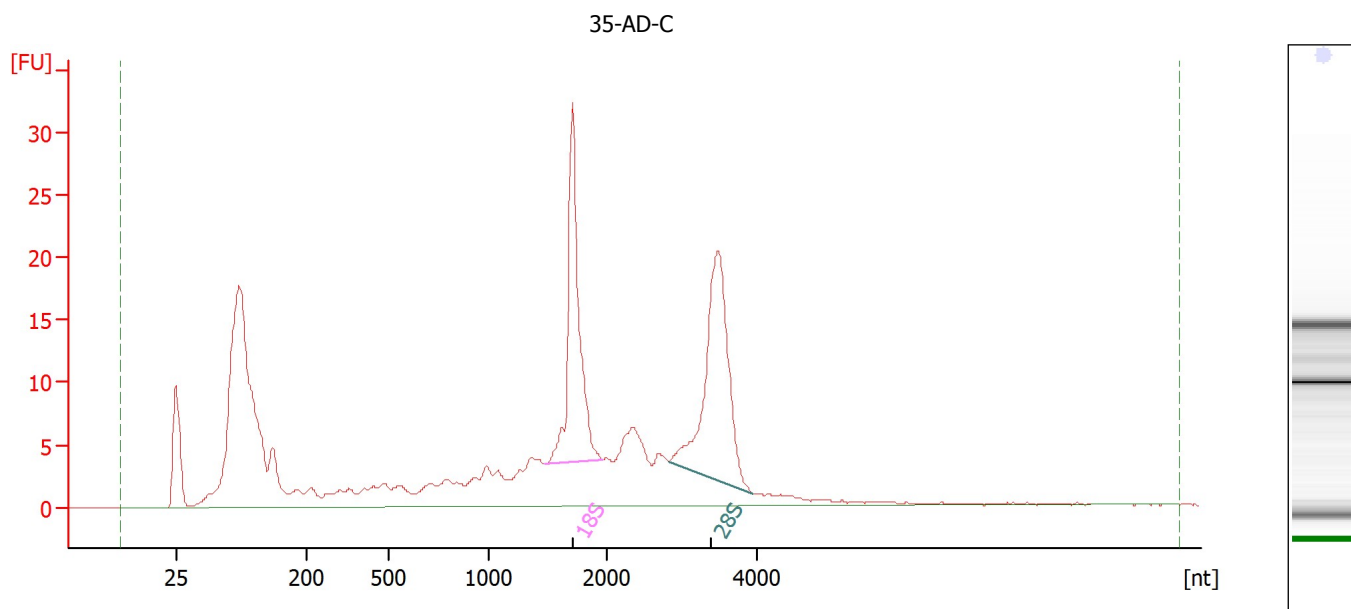
RNA Area:	282.4	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	223 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.9	Result Flagging Label:	RIN: 7.50

Fragment table for sample 10 : 34-AD-B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,303	2,080	35.3	12.5
28S	2,861	3,956	33.0	11.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 11 : 35-AD-C**

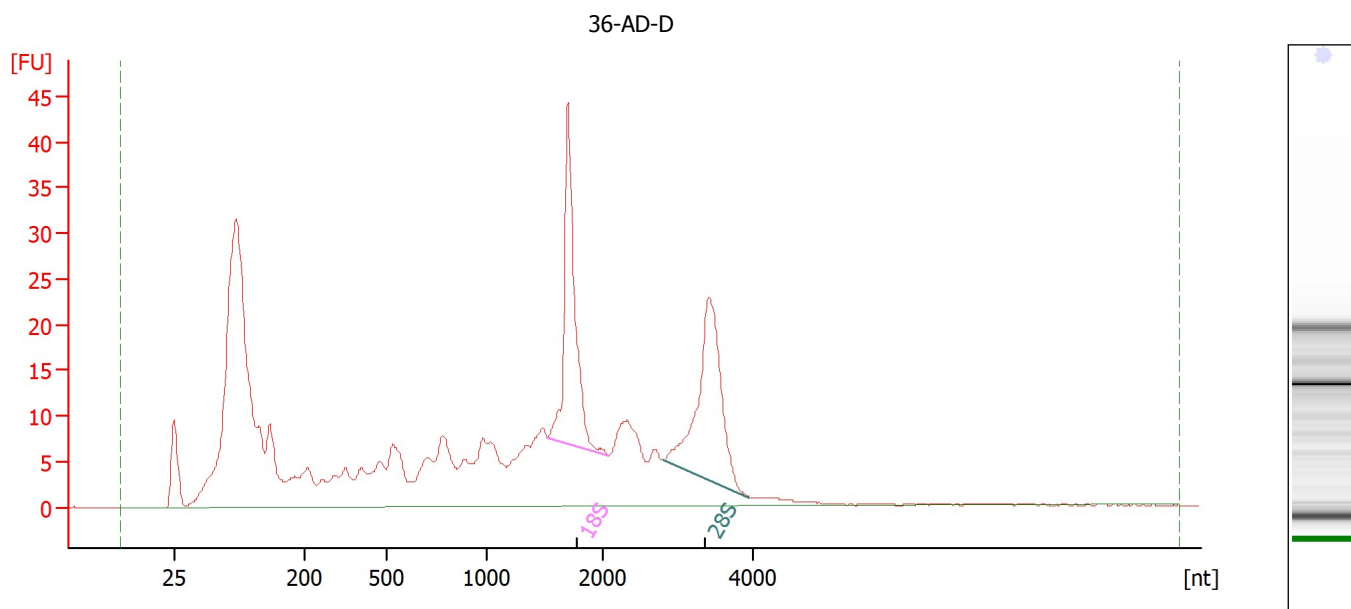
RNA Area:	335.2	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	265 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.70

Fragment table for sample 11 : 35-AD-C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,959	39.4	11.8
28S	2,806	3,948	48.2	14.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Electropherogram Summary Continued ...**Overall Results for sample 12 : 36-AD-D**

RNA Area:	572.4	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	452 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.1	Result Flagging Label:	RIN: 6.60

Fragment table for sample 12 : 36-AD-D

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	2,061	50.0	8.7
28S	2,793	3,954	54.2	9.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_09-53-49.xad

Created: 17/05/2023 09:53:48
Modified: 17/05/2023 10:17:39

Gel Image